

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P691063

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3120 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G1

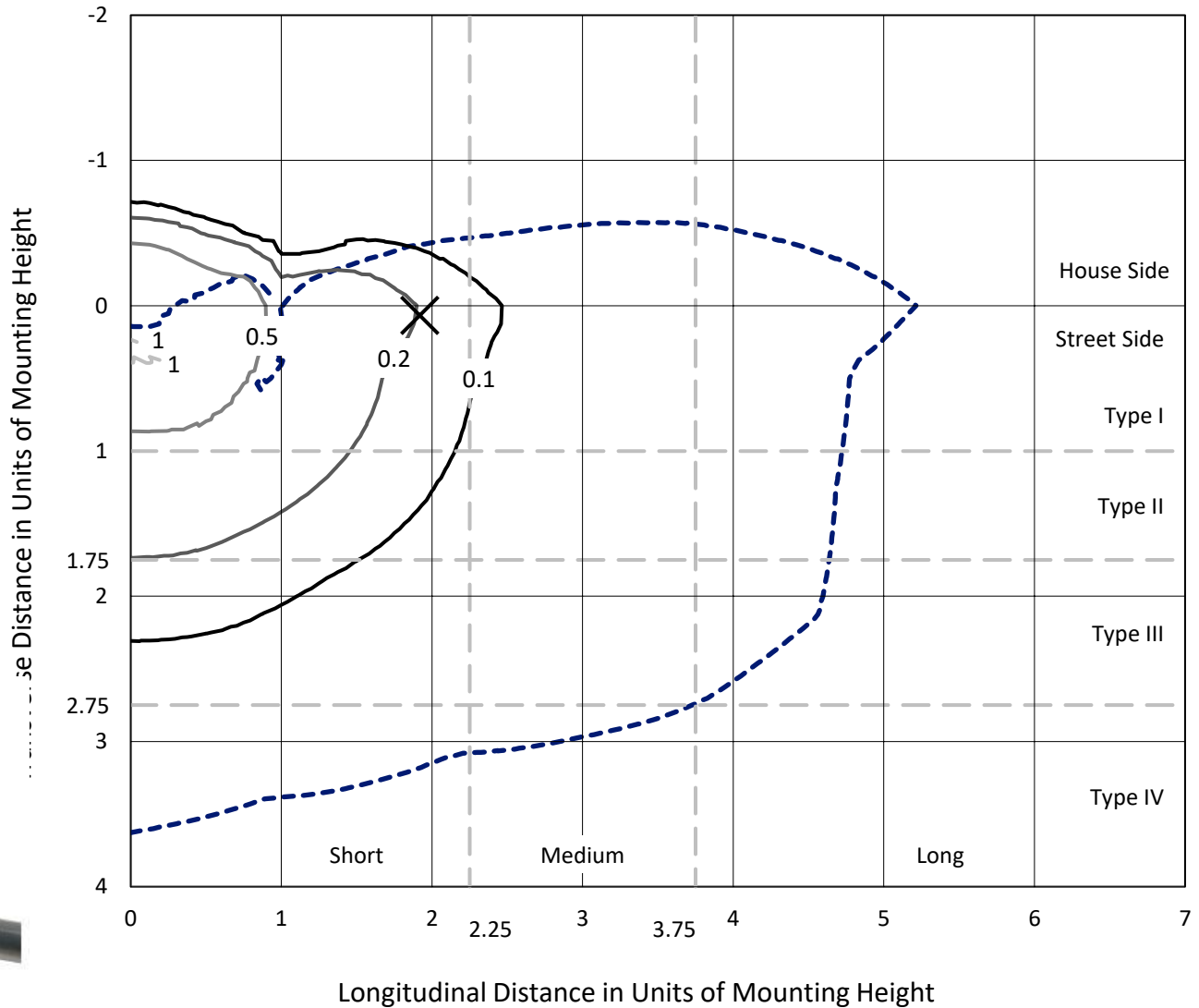
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

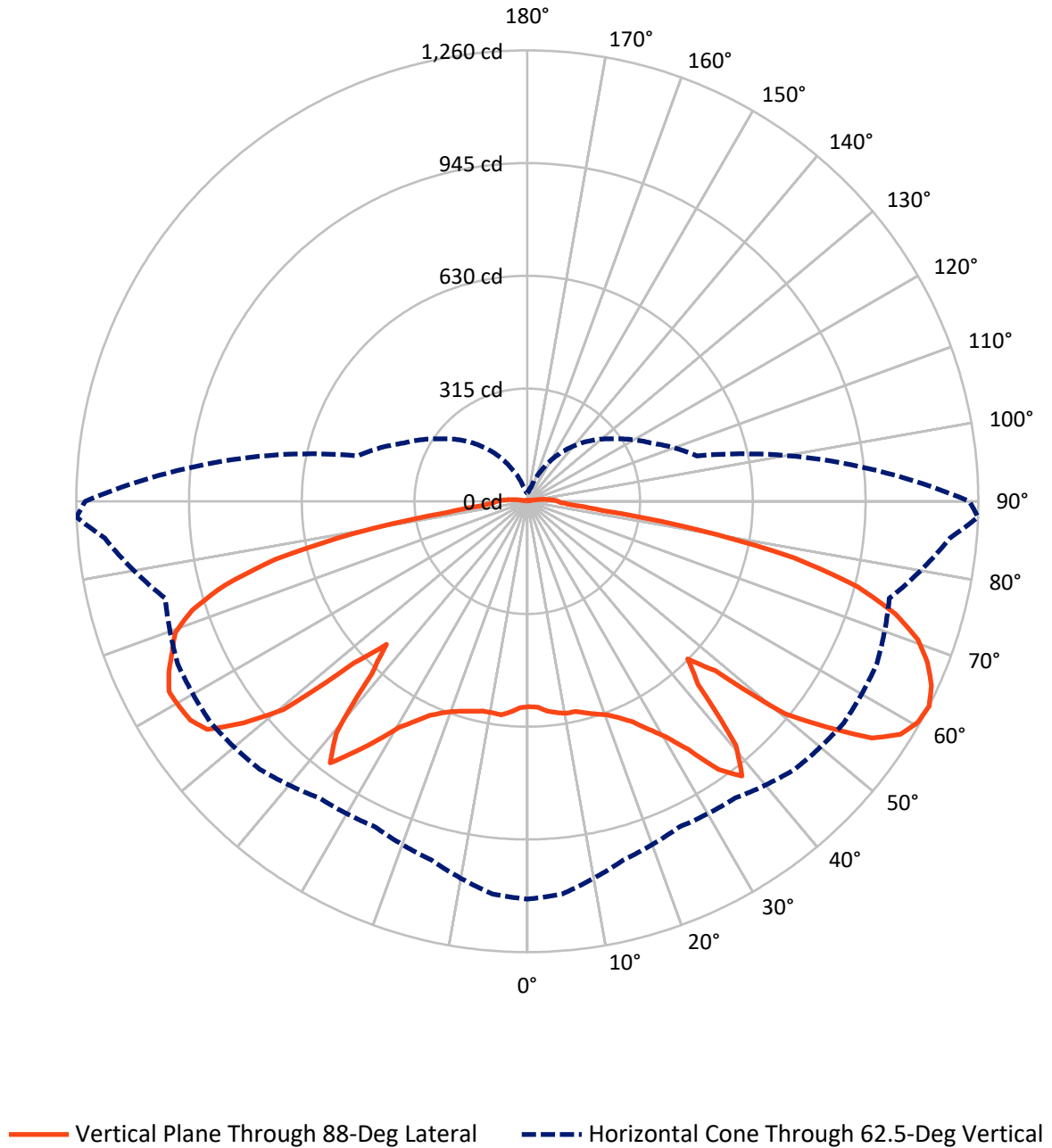
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot





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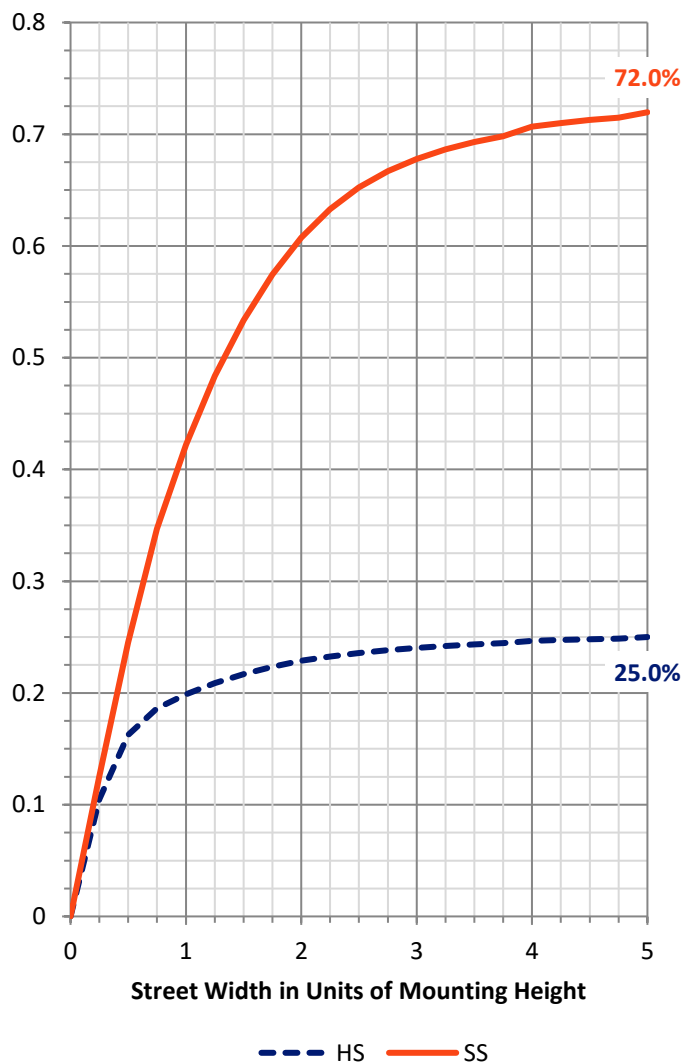
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.7	15.0	808.7
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	2274.4	36.9	2311.3
	% Fixture	72.9	1.2	74.1
Total	Lumens	3068.2	51.9	3120.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.8
10°-20°	172.6	5.5
20°-30°	292.4	9.4
30°-40°	403.7	12.9
40°-50°	349.1	11.2
50°-60°	505.4	16.2
60°-70°	661.6	21.2
70°-80°	501.6	16.1
80°-90°	125.1	4.0
90°-100°	36.8	1.2
100°-110°	8.6	0.3
110°-120°	3.8	0.1
120°-130°	2.5	0.1
130°-140°	0.2	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3068.2	98.3
0°-180°	3120.0	100.0

Coefficient of Utilization



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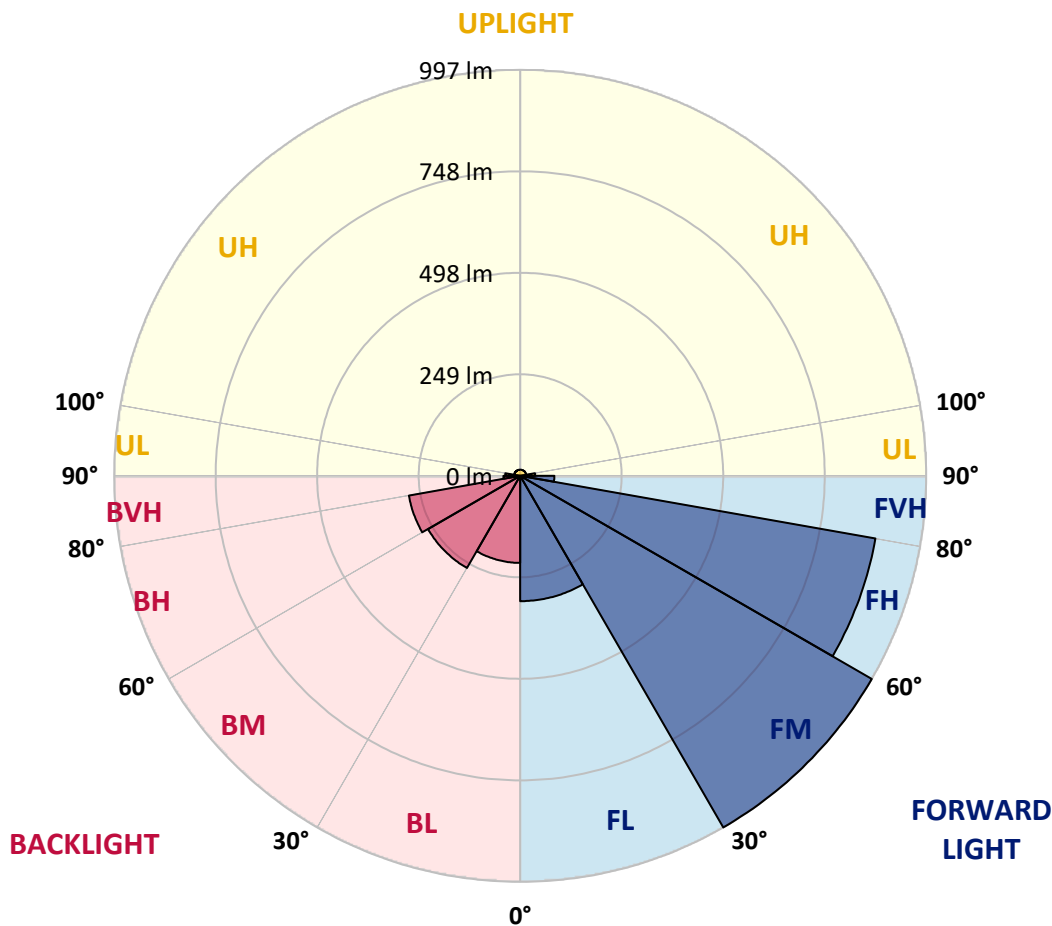
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.8	9.9			
FM (30°-60°)	996.8	31.9			
FH (60°-80°)	885.7	28.4			G1/1800
FVH (80°-90°)	84.1	2.7			G1/100
BL (0°-30°)	213.8	6.9	B1/500		
BM (30°-60°)	261.3	8.4	B1/1000		
BH (60°-80°)	277.5	8.9	B1/500		G1/500
BVH (80°-90°)	41.1	1.3			G1/100
UL (90°-100°)	36.8	1.2		U2/50	
UH (100°-180°)	15.1	0.5		U2/50	

BUG Rating: B1-U2-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8
2.5°	567.8	567.8	566.6	567.8	570.2	572.6	570.2	571.4	572.6	575.0	576.1
5°	589.3	588.1	585.7	583.3	580.9	580.9	578.5	577.3	579.7	586.9	589.3
7.5°	607.2	603.6	601.2	602.4	598.9	592.9	588.1	585.7	583.3	592.9	596.5
10°	635.9	633.5	625.2	618.0	613.2	603.6	592.9	591.7	590.5	600.1	602.4
12.5°	664.6	662.2	657.4	650.3	634.7	626.4	609.6	602.4	601.2	607.2	602.4
15°	706.4	701.7	688.5	681.3	665.8	652.6	632.3	621.6	624.0	615.6	613.2
17.5°	730.3	728.0	726.8	716.0	704.0	681.3	662.2	646.7	651.5	632.3	625.2
20°	756.6	755.4	757.8	759.0	743.5	723.2	699.3	675.4	676.6	651.5	637.1
22.5°	790.1	786.5	791.3	797.3	784.1	767.4	736.3	717.2	707.6	674.2	657.4
25°	829.6	828.4	828.4	839.1	836.7	814.0	784.1	762.6	753.1	707.6	682.5
27.5°	870.2	871.4	873.8	881.0	884.5	871.4	842.7	823.6	805.6	745.9	720.8
30°	896.5	896.5	913.2	924.0	928.8	928.8	894.1	879.8	861.8	794.9	763.8
32.5°	928.8	931.2	946.7	964.6	971.8	981.4	952.7	941.9	926.4	855.9	827.2
35°	951.5	955.1	979.0	1006.5	1025.6	1030.4	1013.6	1018.4	1011.2	935.9	920.4
37.5°	852.3	861.8	897.7	951.5	1002.9	1053.1	1071.0	1094.9	1098.5	1011.2	974.2
40°	742.3	745.9	786.5	826.0	889.3	930.0	975.4	1028.0	999.3	904.9	897.7
42.5°	658.6	674.2	730.3	760.2	809.2	818.8	796.1	762.6	711.2	702.9	699.3
45°	644.3	659.8	716.0	765.0	788.9	671.8	608.4	564.2	584.5	634.7	628.7
47.5°	711.2	730.3	788.9	845.1	796.1	665.8	624.0	622.8	606.0	692.1	707.6
50°	751.9	767.4	835.5	834.3	794.9	731.5	754.3	729.1	699.3	846.3	933.5
52.5°	772.2	786.5	810.4	840.3	843.9	839.1	845.1	824.8	779.4	982.6	1048.3
55°	716.0	751.9	855.9	907.3	928.8	915.6	919.2	904.9	875.0	1067.4	1167.8
57.5°	896.5	915.6	953.9	967.0	980.2	974.2	979.0	974.2	946.7	1130.8	1228.8
60°	1000.5	1000.5	1017.2	995.7	1002.9	1023.2	1037.5	1037.5	1008.9	1177.4	1253.9
62.5°	1111.7	1102.1	1037.5	1004.1	1012.4	1057.9	1079.4	1077.0	1047.1	1184.6	1259.9
65°	1090.1	1073.4	1050.7	977.8	987.3	1050.7	1080.6	1079.4	1048.3	1158.3	1240.7
67.5°	930.0	945.5	973.0	967.0	943.1	1016.0	1062.6	1065.0	1029.2	1114.0	1206.1
70°	805.6	815.2	831.9	882.2	892.9	968.2	1042.3	1053.1	1005.3	1062.6	1157.1
72.5°	701.7	707.6	694.5	745.9	784.1	883.3	970.6	990.9	941.9	974.2	1074.6
75°	600.1	586.9	571.4	594.1	624.0	729.1	835.5	876.2	833.1	853.5	952.7
77.5°	466.2	447.1	431.5	437.5	465.0	555.8	658.6	723.2	684.9	683.7	762.6
80°	318.0	301.2	290.5	288.1	308.4	364.6	438.7	515.2	481.7	449.4	484.1
82.5°	198.4	198.4	188.9	174.5	173.3	184.1	198.4	217.5	205.6	200.8	211.6
85°	124.3	125.5	120.7	105.2	101.6	104.0	111.2	115.9	112.4	115.9	119.5
87.5°	87.3	86.1	80.1	77.7	76.5	80.1	86.1	88.5	88.5	92.0	92.0
90°	65.7	65.7	62.2	61.0	61.0	64.5	70.5	75.3	78.9	84.9	84.9
92.5°	55.0	55.0	52.6	51.4	51.4	52.6	57.4	63.4	66.9	72.9	70.5
95°	45.4	45.4	44.2	44.2	44.2	45.4	47.8	51.4	52.6	52.6	52.6
97.5°	35.9	34.7	33.5	33.5	33.5	34.7	35.9	39.4	40.6	37.1	37.1
100°	25.1	23.9	22.7	23.9	23.9	23.9	25.1	26.3	26.3	23.9	22.7
102.5°	15.5	15.5	15.5	15.5	14.3	14.3	14.3	14.3	13.1	12.0	12.0
105°	10.8	10.8	9.6	9.6	9.6	9.6	8.4	8.4	8.4	7.2	7.2
107.5°	8.4	8.4	8.4	8.4	8.4	7.2	7.2	7.2	7.2	6.0	6.0
110°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.0	6.0	4.8	4.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	7.2	7.2	7.2	7.2	7.2	6.0	6.0	6.0	6.0	4.8	4.8
115°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.8	4.8
117.5°	6.0	6.0	6.0	6.0	6.0	6.0	4.8	4.8	4.8	6.0	4.8
120°	6.0	6.0	6.0	6.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8
122.5°	6.0	6.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
125°	4.8	4.8	4.8	4.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6
127.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
130°	3.6	3.6	3.6	3.6	3.6	3.6	2.4	2.4	2.4	2.4	2.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8	573.8
2.5°	576.1	578.5	583.3	589.3	594.1	597.7	600.1	602.4	602.4	600.1	602.4
5°	589.3	591.7	600.1	606.0	606.0	602.4	600.1	598.9	601.2	602.4	604.8
7.5°	600.1	602.4	598.9	601.2	603.6	600.1	595.3	591.7	588.1	584.5	586.9
10°	601.2	595.3	595.3	592.9	584.5	585.7	584.5	578.5	573.8	575.0	576.1
12.5°	600.1	597.7	588.1	583.3	579.7	567.8	563.0	566.6	559.4	563.0	558.2
15°	610.8	598.9	589.3	577.3	564.2	558.2	549.8	537.9	533.1	534.3	535.5
17.5°	618.0	606.0	583.3	561.8	554.6	535.5	525.9	520.0	511.6	512.8	517.6
20°	629.9	612.0	579.7	557.0	522.4	509.2	497.3	490.1	482.9	472.2	467.4
22.5°	646.7	624.0	575.0	533.1	503.2	480.5	454.2	436.3	426.7	419.6	418.4
25°	668.2	641.9	576.1	522.4	474.5	441.1	418.4	387.3	364.6	362.2	365.8
27.5°	707.6	662.2	583.3	505.6	450.6	399.2	357.4	335.9	309.6	303.6	303.6
30°	745.9	694.5	578.5	491.3	410.0	352.6	296.4	255.8	241.5	230.7	229.5
32.5°	816.4	739.9	603.6	469.8	372.9	283.3	221.1	176.9	167.3	163.8	162.6
35°	881.0	802.1	606.0	442.3	318.0	219.9	159.0	129.1	123.1	119.5	118.3
37.5°	950.3	861.8	629.9	419.6	264.2	155.4	114.8	92.0	84.9	80.1	77.7
40°	870.2	790.1	619.2	381.3	196.0	99.2	71.7	50.2	43.0	43.0	43.0
42.5°	681.3	600.1	468.6	308.4	114.8	57.4	35.9	34.7	35.9	37.1	37.1
45°	603.6	497.3	286.9	163.8	47.8	32.3	28.7	27.5	31.1	34.7	35.9
47.5°	710.0	591.7	221.1	114.8	51.4	32.3	26.3	26.3	25.1	22.7	22.7
50°	959.8	798.5	253.4	131.5	64.5	35.9	26.3	22.7	22.7	23.9	25.1
52.5°	1083.0	889.3	298.8	170.9	94.4	49.0	28.7	22.7	20.3	16.7	16.7
55°	1189.3	961.0	353.8	221.1	138.7	76.5	40.6	23.9	20.3	16.7	15.5
57.5°	1224.0	969.4	412.4	278.5	188.9	119.5	70.5	33.5	21.5	17.9	16.7
60°	1228.8	979.0	456.6	339.5	246.2	174.5	115.9	61.0	27.5	21.5	20.3
62.5°	1234.8	981.4	490.1	383.7	303.6	236.7	167.3	96.8	41.8	25.1	23.9
65°	1213.3	952.7	481.7	374.1	320.3	261.8	192.4	113.6	47.8	28.7	27.5
67.5°	1177.4	927.6	447.1	344.3	289.3	228.3	165.0	92.0	44.2	33.5	32.3
70°	1148.7	902.5	429.1	341.9	267.8	199.6	132.7	66.9	52.6	45.4	43.0
72.5°	1078.2	842.7	414.8	340.7	267.8	194.8	129.1	71.7	71.7	72.9	68.1
75°	959.8	753.1	393.3	331.1	261.8	193.6	124.3	77.7	77.7	69.3	65.7
77.5°	792.5	616.8	347.8	302.4	237.9	170.9	101.6	64.5	62.2	53.8	51.4
80°	524.7	442.3	277.3	249.8	196.0	137.5	75.3	50.2	46.6	39.4	37.1
82.5°	235.5	211.6	175.7	176.9	141.0	98.0	51.4	34.7	32.3	26.3	25.1
85°	129.1	121.9	95.6	83.7	71.7	51.4	29.9	22.7	19.1	14.3	14.3
87.5°	98.0	94.4	70.5	55.0	41.8	29.9	19.1	14.3	10.8	7.2	6.0
90°	89.6	84.9	57.4	44.2	33.5	23.9	15.5	9.6	7.2	4.8	3.6
92.5°	75.3	71.7	46.6	37.1	28.7	21.5	13.1	7.2	4.8	2.4	2.4
95°	55.0	53.8	34.7	28.7	22.7	17.9	10.8	6.0	3.6	2.4	1.2
97.5°	37.1	35.9	25.1	21.5	17.9	13.1	8.4	4.8	2.4	1.2	1.2
100°	22.7	22.7	15.5	14.3	12.0	9.6	6.0	3.6	2.4	1.2	1.2
102.5°	12.0	10.8	8.4	8.4	7.2	6.0	4.8	2.4	1.2	0.0	0.0
105°	7.2	6.0	6.0	4.8	4.8	3.6	3.6	2.4	1.2	0.0	0.0
107.5°	6.0	4.8	4.8	3.6	3.6	2.4	2.4	1.2	1.2	0.0	0.0
110°	4.8	4.8	3.6	3.6	2.4	2.4	2.4	1.2	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7050-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.8	3.6	3.6	2.4	2.4	2.4	1.2	1.2	0.0	0.0	0.0
115°	4.8	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
117.5°	4.8	3.6	2.4	2.4	2.4	1.2	1.2	1.2	0.0	0.0	0.0
120°	4.8	3.6	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
122.5°	4.8	3.6	2.4	2.4	1.2	1.2	1.2	1.2	0.0	0.0	0.0
125°	3.6	2.4	2.4	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
127.5°	3.6	2.4	2.4	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
130°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)